

Attorney Docket No. 13DV-12959 (07783-0021-2)
Application No. 10/050,660

AMENDMENTS TO THE CLAIMS

1-9. (Cancelled)

10. (Currently amended) Analysis equipment for determining the a concentration of an organic component and a caustic component of a reusable organic caustic solution that has been utilized for at least one cycle of removing a ceramic coating from a metallic component at elevated temperatures and pressures in an autoclave, comprising:

a storage tank for storing the reusable organic caustic solution after removal from the autoclave;

a filter for removing particles ~~from~~ of the ceramic coating dispersed in the reusable organic caustic solution from the reusable organic caustic solution;

a pump for circulating the reusable organic caustic solution from the tank through the filter;

a pipe connecting the storage tank to the pump, the pump to the filter and the filter to the storage tank; and

at least two sensors positioned between the filter and the storage tank to measure at least two physical properties of the reusable organic caustic solution ~~to measure a physical property of the organic caustic solution~~ after removal of the particles~~[[.]]~~ from the reusable organic caustic solution, the at least two physical properties selected from the group consisting of electrical conductivity, opacity, refractive index, spectroscopic transmission, density, fluidity and the speed of sound in the solution.

11-25 (Cancelled)

26. (New) The analysis equipment of claim 10 further including a readout for monitoring the physical properties measured by the at least two sensors.

27. (New) The analysis equipment of claim 26 wherein the readout is an analogue readout.

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28. (New) The analysis equipment of claim 26 wherein the readout is a digital readout.

29. (New) The analysis equipment of claim 26 further including a storage medium for storing the measured physical properties.

30. (New) The analysis equipment of claim 28 further including a computer connected to the digital readout for monitoring and storing the measured physical properties.

31. (New) Analysis equipment for determining a concentration of an organic component and a caustic component of a reusable organic caustic solution that has been utilized for at least one cycle of removing a ceramic coating from a metallic component at elevated temperatures and pressures in an autoclave, comprising:

a storage tank for storing the reusable organic caustic solution after removal from the autoclave;

a filter for removing particles of the ceramic coating dispersed in the reusable organic caustic solution from the reusable organic caustic solution;

a pump for circulating the reusable organic caustic solution from the tank through the filter;

a pipe connecting the storage tank to the pump, the pump to the filter and the filter to the storage tank; and

at least two sensors positioned between the filter and the storage tank, one of the at least two sensors for measuring a physical property of the reusable organic caustic solution after removal of the particles from the reusable organic caustic solution, the physical property selected from the group consisting of electrical conductivity, opacity, refractive index, spectroscopic transmission, density, fluidity and the speed of sound in the solution.

32. (New) The analysis equipment of claim 31 wherein one of the at least two sensors measure electrical conductivity.

33. (New) The analysis equipment of claim 31 wherein one of the at least two sensors measure opacity.

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34. (New) The analysis equipment of claim 31 wherein one of the at least two sensors measure refractive index.

35. (New) The analysis equipment of claim 31 wherein one of the at least two sensors measure spectroscopic transmission.

36. (New) The analysis equipment of claim 31 wherein one of the at least two sensors measure density.

37. (New) The analysis equipment of claim 31 wherein one of the at least two sensors measure fluidity.

38. (New) The analysis equipment of claim 31 wherein one of the at least two sensors measure the speed of sound.

39. (New) The analysis equipment of claim 31 further including a readout for monitoring the physical properties measured by one of the at least two sensors.

40. (New) The analysis equipment of claim 39 wherein the readout is an analogue readout.

41. (New) The analysis equipment of claim 39 wherein the readout is a digital readout.

42. (New) The analysis equipment of claim 39 further including a storage medium for storing the physical properties measured by one of the at least two sensors.

43. (New) The analysis equipment of claim 41 further including a computer connected to the digital readout for monitoring and storing the physical properties measured by one of the at least two sensors.